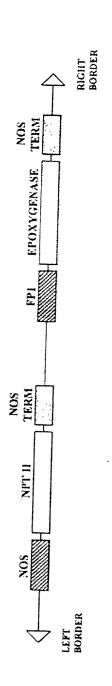
No.: 1 of 19
Atty. Docket No. 26-33A
Title: Fatty acid epoxygenase ... fatty acid metabolism
USSN: Not yet assigned



Title: Fatty acid epoxygenase ... fatty acid metabolism

USSN: Not yet assigned Inventors: Green et al.

Filing Date: October 17, 2001

	_				50
7,0212	T MGAG	MGAG GR	.GRTSEKSV	GRTSEKSV MERVSVDPVT FSLSELKQAI	FSLSELKQAI
orarz CrepX	MGAG	MGAG GR	GRTSEKSV	GRTSEKSV MERVSVDPVT FSLSELKQAI	FSLSELKQAI
Vaa11	•				
Vaal	MGAG	.MGAG GRM	NTTDDDQKNL	FORVPASKPP FSLADLKKAI	FSLADLKKAI
Creni	MGGG		GRTSQKPL	MERVSVDP.P FTVSDLKQAI	FTVSDLKQAI
7,26296	MGAG	GRMPVP	TSSKKSETDT	TKRVPCEKPP FSVGDLKKAI	FSVGDLKKAI
X91139	MGAG	.MGAG GRMOV S	PSPKKSETDI	LKRVPCETPP FTVGELKKAI	FTVGELKKAI
T,43921		MGAG GRTDVP	PANRKSEVDP	LKRVPFEKPQ FSLSQIKKAI	FSLSQIKKAI
X92847	MGAG	GRMSAP	MGAG GRMSAP NGETEVKRNP	LQKVPTSKPP FTVGDIKKAI	FTVGDIKKAI
1,43920	MGLAKETTMG	GRGRVA	KVEVQGK.KP	ETTMG GRGRVA KVEVQGK.KP LSRVPNTKPP FTVGQLKKAI	FTVGQLKKAI
1122378	MGGG	GRMSTVITSN	MGGG GRMSTVITSN NSEKKGGSSH LKRAPHTKPP FTLGDLKRAI	LKRAPHTKPP	FTLGDLKRAI

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7	51				100
<b>^</b> 1	PPHCFQRSVI	RSSYYVVODL	IIAYTFYF1,A	NTVT DTT DTC	TAV TAGRETIA
CrepX	PPHCFORSVI				LAI.LAWFVY
_	l 		ALL I I I LAA	NITLFTHF	LAY.LAWPLY
vyarr vyarr	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •			
Vgal	PPHCFORST,T,	•	WWW WEVVI	· · · · · · · · · · · · · · · · · · ·	
<del></del>			ALLITAN V	NIXIPLLFSP	LAYLLAWPLY
רקשור	FFHCFKKSVI	RSSYYIVHDA	IIAYIFYFLA	DKYTPTI, PAP	TAMPIV
L26296	PPHCFKRSIP	RSFSYLTSDI	TIBACEVVIIA	TILL TELLIT	T G M C T C T C T C T C T C T C T C T C T C
X01120	G + 0 0 11 11 11 11 11 11 11 11 11 11 11 11		TITOCETT A W	INIFOLLPQF	LSY.LAWPLY
J J	FFECERKSIF	KSFSYLIWDI	IVASCFYYVA	TTYFPI,I,PHP	I CV WAMPIV
L43921	PPHCFORSVI.	BSFSVIIIVDT	# # # # # # # # # # # # # # # # # # #		THIMENT OF
[			LARCLIIVA	T.H.Y.F.HTLPGP	LSF. RGMAIY
7 7 0 7 6 7	PPHCFQRSLI	RSFSYVVYDL	ILVSIMYYVA	NTVFHIIDCD	VCV TAMATY
T,43920	PPHCFODSTI				ICI.IAWFIY
0100011	TION XNOTH	ISFSIVVIUL	SFAF. IFYIA	TTYFHLLPQP	FS.LIAWPIY
0	FFECFEKSF'V	RSFSYVAYDV	CLSFLFYSIA	TNFFPYISSP	LS. YVAOLUY
					+ ^ [ X · · · · · · · · · · · · · · · · · ·

IVO.: 4 01 19 Atty. Docket No. 26-98A Title: Fatty acid epoxygenase ... fatty acid metabolism

USSN: Not yet assigned

Inventors: Green et al.
Filing Date: October 17, 2001

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50 LLTPYFSWKF LLTPYFSWKY LFTPYFSWKY LFTPYFSWKY LMTPYFSWKY LLVPYFSWKY LLVPYFSWKY LLVPYFSWKY LLVPYFSWKI LLVPYFSWKY LLVPYFSWKY DTVGFILHSF DTVGFIIHSF DTVGFILHFA DTVGFILHSA DTVGFIIHSF DTVGLIFHSF DTVGLIFHSF DIVGLILHSA DTVGLILHSA DVVGLTLHST DIVGLIVHSA HAFSNYTWFD HAYSNYTWVD HAFSDYQWID HAFSDYQWID HAFSDYQWLD HAFSDYQWLD HAFSDYQLLD HAFSDYQWVD HAFSKYQWVD HAFSEYQLAD HAFSDYQWVD VWVIGHECGH H. LWVIGHECGH LWILGHECGH LWILGHECGH IWVIAHECGH VWVIAHECGH IWVNAHECGH VWVIAHECGH LWVIGHECGH VWVIAHECGH WFCQASVLTG WFCQGSILTG WFCOASILTG WFCQASVLTG WACQGCVLTG WLFQGCILTG WACQGVVLTG WACQGCVITG WICQGCVCTG WVLQGCLLTG L26296 X91139 0 U22378 L43921 Cpa12 Vga11 CrepX Crep1 X9284 L4392 Vgal

FIGURE 2C

No.: 5 ot 19

No.: 5 of 19

Title: Fatty acid epoxygenase ... fatty acid metabolism

USSN: Not yet assigned Inventors: Green et al.

(	SHRNHHSNTS SIDNDEVYIP KSKSKLARTY KILNNBBOBI 1111 1111	SHRNHHSNTS SIDNDEVYIP KSKSKIKRTV KITNNDDODI 133111111111111	SLVTDEVYIP KVKSKVKTYS KILNNDDCDV mmr 2 mr 1 mr 1	FT THEKTING	r i Larkania ve	TIMETTATOR	MMLTVQFVLG	VMLTVQFTLG	LTLAVTLTLG	LSLTITLTLG	VSLIVTITTC	LTLAATIIIG
	KLLMNDDCDT	KI I MNDDODI	KTI NNIDDCDV	SLDNDEVYIP KVKSKVKTYS KITANDEGEW GERAGE	KSKAKVALYY KVI NHEDORI	SLERDEVEVP KOKSATKWYC KYLNNDIODI	LYT MINE LGKI	KOROCIEMIG NIENNFEGKT	NENSCIAMIS KYLNNPLGRV	KPKSQLGWYS KYLNNPLGRV LSLTITLTLG	KPKSKVAWFS KYLNNPLGRA VSLI,VTI,TTG	KSKSKISWYS KYSNNPLGRV LTLAATLIG
	KSKSKLARTY	KSKSKLKRTV	KVKSKVKTYS	KVKSKVKTVS	KSKAKVAT, YY	KOKSATKWYC	KKKSDIKWVC		NZNOCIKWIS WENGO-	KFKSQLGWYS	KPKSKVAWFS	KSKSKISWYS
	SIDNDEVYIP	SIDNDEVYIP	SLVTDEVYIP	SLDNDEVYIP	SLDNDEVYIP	SLERDEVEVP	SLERDEVEVP	SHRNHHSNTG SLEBDEVIEVE	STEPPENTE VE			SHKNHHSNIG SLERDEVFVP
TOT	SHRNHHSNTS	SHRNHHSNTS	SHRNHHANTN	SHRNHHANTN	SHRNHHANTN	SHRNHHSNTG	SHRNHHSNTG	SHRNHHSNTG	SHRNHHSNTC STEPPENTER	SHEMINIONA	SILVANTA SILVEVEVE	SHKNHHSNIG
	Cpa12	CrepX	Vga11	Vgal	Crep1	L26296	X91139	L43921	X92847	1.43920	1000000	8/5770

No.: 6 of 19 ATTY. DOCKET INO. 20 JOA Title: Fatty acid epoxygenase ... fatty acid metabolism

USSN: Not yet assigned Inventors: Green et al.

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	201				250	
Cpa12	FPLYLLTNIS	TNIS GKKY. DRFAN	HFDPMSPIFK	HFDPMSPIFK ERERFQVFLS DLGLLAVFYG	DLGLLAVFYG	
CrepX	FPLYLLTNIS	FPLYLLTNIS GKKY. DRFAN	HFDPMSPIFK	ERERFQVFLS DLGLLAVFYG	DLGLLAVFYG	
Vga11	FPLYLFTNVS	FPLYLFTNVS GKKY.ERFAN	HFDPMSPIFT	EREHVQVLLS	DFGLIAVAYV	
Vgal	FPLYLFTNVS	FPLYLFTNVS GKKY ERFAN	HFDPMSPIFT	EREHVQVLLS	DFGLIAVAYV	
Crepl	FPLYLFTNIS	FPLYLFTNIS GKKY.ERFAN	HFDPMSPIFK	ERERFQVLLS	DLGLLAVAYG	
L26296	WPLYLAFNVS	FNVS GRPY. DGFAC	HFFPNAPIYN	DRERLQIYLS	DAGILAVCFG	
X91139	WPLYWAFNVS	GRPYPEGFAC	HFHPNAPIYN	DRERLQIYVS DAGILAVCYG	DAGILAVCYG	
L43921	WPLYLAFNVS	GRPY. DRFAC	HYDPYGPIYS	DRERLQIYIS	DAGVLAVVYG	
X92847	WPLYLAFNVS	GRPY. DRFAC	HYDPYGPIYN	NRERLQIFIS	DAGVLGVCYL	
L43920	WPMYLAFNVS	WPMYLAFNVS GRPY. DSFAS	HYHPYAPIYS NRERLLIYUS		DVALFSVTYS	
U22378	WPLYLAFNVS GRPY. DSFAC	GRPY. DSFAC	HYDPYGPIFS		DIGIFATTEV	

FIGURE 2

No.: 7 of 19 ALLY. DUCKEL ...

Title: Fatty acid epoxygenase ... fatty acid metabolism

USSN: Not yet assigned Inventors: Green et al.

Filing Date: October 17, 2001

FIGURE 2F

SPHYDSTEWN LPHYDSSEWD SPHYDSTEWN LPHYDSTEWD LPHYDSSEWN LPHYDSSEWD LPHYTSSEWD LPHYDSSEWD LPHYDSTEWD LPHYDSSEWD IPRYGSSEWD ITYLHHTHLS ITYLHHTHLS ITFLHHTHOS ITFLHHTHQS ITYLHHTHLS ITYLQHTHPS ITYLQHTHPS ITFLQHTHPA ITYLQHTHPS ITYLQHTHFA ITYLQHTHPA VLGVFTFFDV VLGVFTFFDV VLAVNAFFVL VLAVNAFFVL LLIVNGFLVL LLIVNAFLVL LLIVNAFLVL LLVVNGFLVL LLVVNGFLVL VLGVFIFFDI LLIVNCFLVM AWVACMYGVP AWVACMYGVP AWVMCIYGVP AWVMCIYGVP AWVTCIYGIP ASMICLYGVP ASMVCLYGVP AWVVCVYGVP VWLLCVYGVP AWLVCVYGVP AWVMRIYGVP IKVAVANKGA VRQAVLAKGG VKLAVAAKGA LYRYAAAQGM IKVAVANKGA VRQAVLAKGG LFRLAMAKGL LYRIALVKGL LYQATMAKGL LYRYAAAQGV LYRVATLKGL X91139 L26296 L43921 L43920 X92847 022378 Vga11 Crep1 Cpa12 CrepX Vgal

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No.: 8 of 19
Atty. Docket IVO. 20 30A
Title: Fatty acid epoxygenase ... fatty acid metabolism

USSN: Not yet assigned

Inventors: Green et al.

Filing Date: October 17, 2001

350 AKEARDAIKP AKEARDAIKP AKEARDAIKP AMEATKAIKP AMEVTKAIKP AMEATKAIKP AMEATKAVKP AMEATNAIKP AMEATKAIKP AKEARDAINT HLFSYIPHYH HLFSYIPHYH HDVTHTHVLH HLISYIPHYH HLFSYIPHYH HLFSTMPHYN HLFSTMPHYH HLFSTMPHYH HLFSTMPHYH HHITDTHVAH HLFSTMPHYH HLFATVPHYH HDVTHTHVMH HDVTHTHVMH HNITDTHVVH HDVTHTHVMH HNITDTHVAH HNITDTHVAH HNIADTHVAH HNITDTHVAH RDFGFLNSVF RDFGFLNRVF RDFGFLNSVF RDFGFLNSVL RDYGILNKVF RDYGILNKVF RDYGILNKVF RDYGILNKVF RDYGILNKVF RDYGILNKVF WIRGALSAID WIRGALSAID WIKGALCTID WLRGALSTID WLRGALATVD WLRGALATVD WLRGALATVD WLKGALATMD WLRGAMVTVD WLR.... WLRGALATCD L26296 X91139 L43921 X92847 L43920 Cpa12 CrepX Crep1 Vga11 Vgal

FIGURE 2G

No.: 9 of 19 Atty. Docket No. 20 904 Title: Fatty acid epoxygenase ... fatty acid metabolism

YRNKY

EGAPTQGVFW

AKECLFVEPD

TPFYKALWRE

IMGEYYRYDG

U22378

USSN: Not yet assigned Inventors: Green et al.

Filing Date: October 17, 2001

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	Y.HKI	Y HKI	•	TTSC	Y.NKI	YNNK]	YNNKL	YNNKL	YNNKL	YRNKY
	ILGDFYMIDR TPILKAMWRE GRECMYIEPD SKLKGVYW Y.HKL	ILGDFYMIDR TPILKAMWRE GRECMYIEPD SKLKGVYW Y HKL	•	VLGEYYKIDR TPIVKAMWRE AKNAYTLRLM KIASTKAHTG TTSCKARS	TPILKAMWRE AKECIFIEPE KGRESKGVYW Y.NKF	TPWYVAMYRE AKECIYVEPD REGDKKGVYW YNNKL	AKECIYVEPD RQGEKKGVFW	QSTESKGVFW	ESSQGKGVFW	ILGEYYQFDD TPFYKALWRE ARECLYVEPD EGTSEKGVYW
	GRECMYIEPD	GRECMYIEPD	•	AKNAYTLRLM	AKECIFIEPE	AKECIYVEPD	AKECIYVEPD	ARECIYVEPD	AKECLYVEKD	ARECLYVEPD
	TPILKAMWRE	TPILKAMWRE	•	TPIVKAMWRE	TPILKAMWRE			TPFVKAMWRE	LLGDYYQFDG TPIYKEMWRE	TPFYKALWRE
351	ILGDFYMIDR	ILGDFYMIDR	•	VLGEYYKIDR	VLGDFYMIDR	ILGDYYQFDG	ILGDYYQFDG	ILGEYYRFDE	LLGDYYQFDG	ILGEYYQFDD
	Cpa12	CrepX	Vga11	Vgal	Crep1	L26296	X91139	L43921	X92847	L43920

2H FIGURE No.: 10 of 19 Atty. Docket No. 26-98A

Title: Fatty acid epoxygenase ... fatty acid metabolism

USSN: Not yet assigned Inventors: Green et al.

Filing Date: October 17, 2001

-4.40kb

-2.37kb

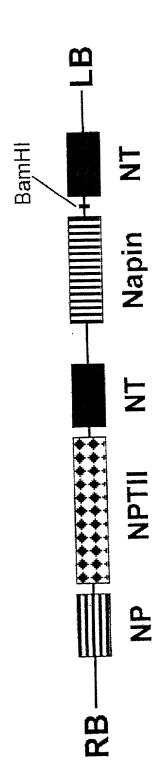


-1.35kb

1 2

FIGURE 3

Title: Fatty acid epoxygenase ... fatty acid metabolism USSN: Not yet assigned



**FIGURE 4** 

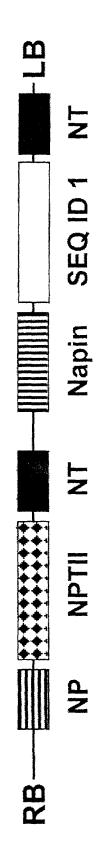
No.: 12 of 19

Atty. Docket No. 20-98A

Title: Fatty acid epoxygenase ... fatty acid metabolism USSN: Not yet assigned

USSN: Not yet assigned Inventors: Green et al.

Filing Date: October 17, 2001



-IGURE 5

Title: Fatty acid epoxygenase ... fatty acid metabolism USSN: Not yet assigned

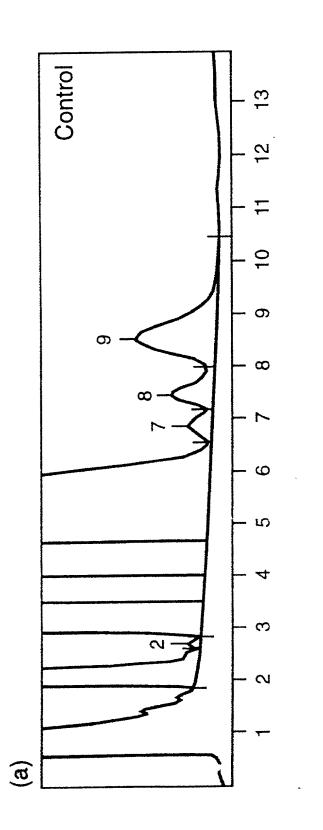


FIGURE 6A

No.: 14 of 19 Atty. Docket No. 20 90A Title: Fatty acid epoxygenase ... fatty acid metabolism

USSN: Not yet assigned Inventors: Green et al.

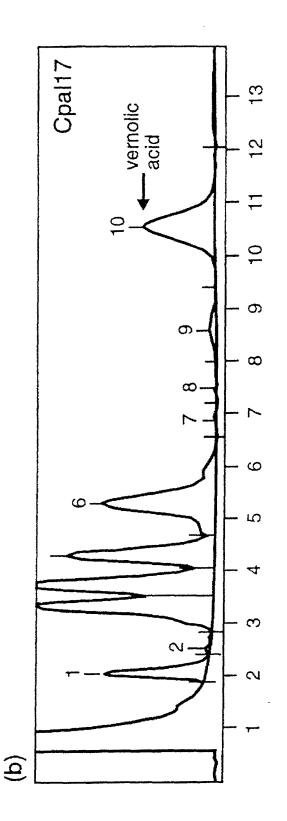


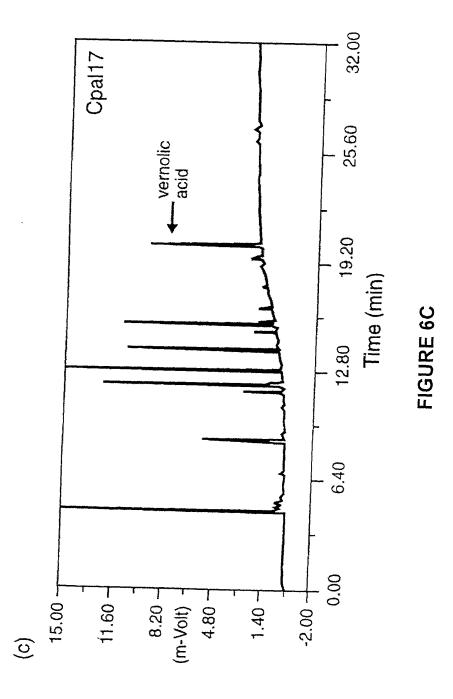
FIGURE 6B

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Atty. Docket No. 20 300

Title: Fatty acid epoxygenase ... fatty acid metabolism

USSN: Not yet assigned Inventors: Green et al.



No.: 16 of 19 Ally. Ducket No. 20 505 Title: Fatty acid epoxygenase ... fatty acid metabolism

USSN: Not yet assigned Inventors: Green et al.

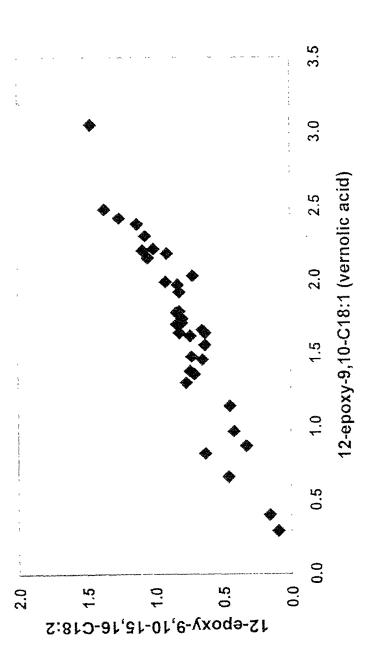


FIGURE 7

No.: 17 of 19

Auy. Docker No. 20 305

Title: Fatty acid epoxygenase ... fatty acid metabolism

USSN: Not yet assigned Inventors: Green et al.

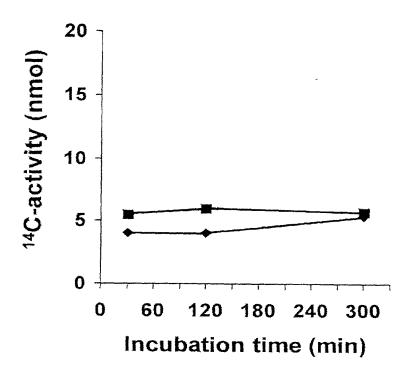


FIGURE 8

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Atty. Docket ivo 20 5

Title: Fatty acid epoxygenase ... fatty acid metabolism

USSN: Not yet assigned Inventors: Green et al.

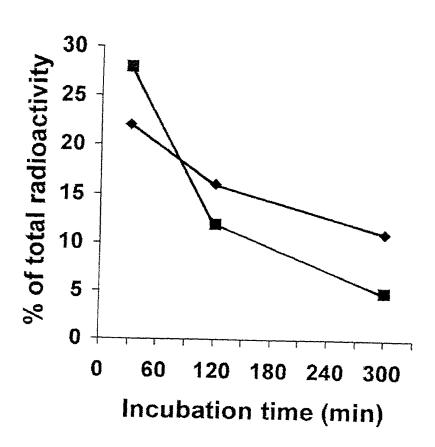


FIGURE 9

Title: Fatty acid epoxygenase ... fatty acid metabolism

USSN: Not yet assigned Inventors: Green et al.

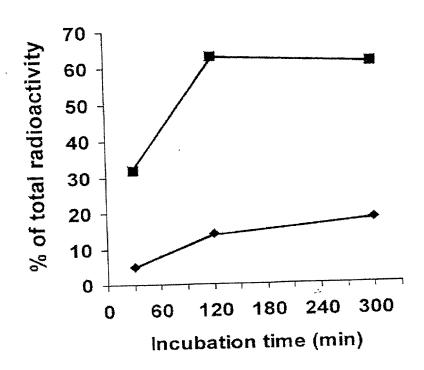


FIGURE 10